

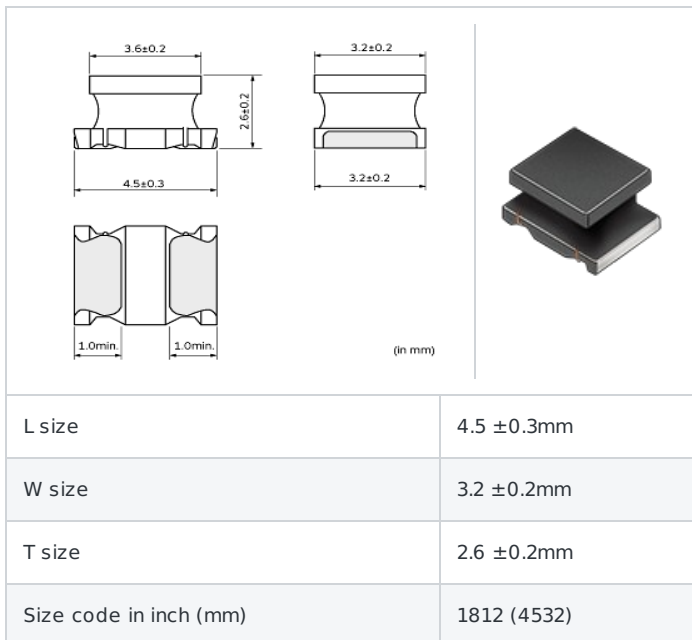
muRata Inductor Data Sheet LQH43PN470M26#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH43PN470M26L , LQH43PN470M26K

Shape



Notes

When applied Rated current to the Products, Inductance will be within $\pm 30\%$ of initial Inductance value.
When applied Rated current to the Products , self temperature rise shall be limited to 40°C max.
Keep the temperature (ambient temperature plus self-generation of heat) under 125°C

References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	500
K	φ 330mm Embossed taping	2500

Mass (Typ.)	
1 piece	0.13g

Specifications

Inductance	47μH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	470mA
Rated current (Itemp) (Based on Temperature rise)	520mA
Max. of DC resistance	0.8616Ω
Avg. of DC resistance	0.718Ω±20%
Self resonance frequency (min.)	8MHz
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Magnetic shield of magnetic powder in resin

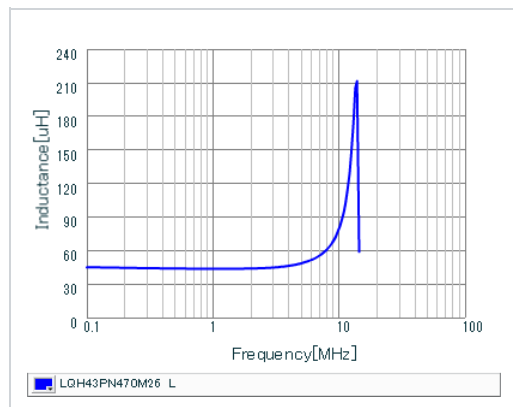
1 of 2

Attention

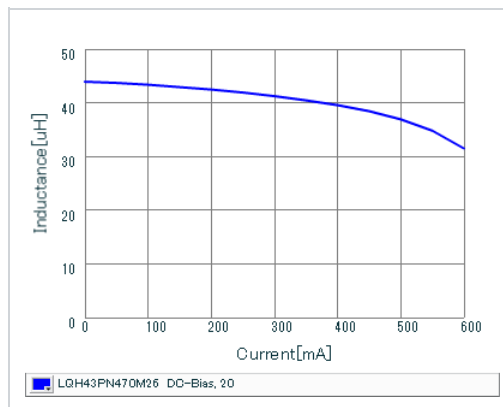
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

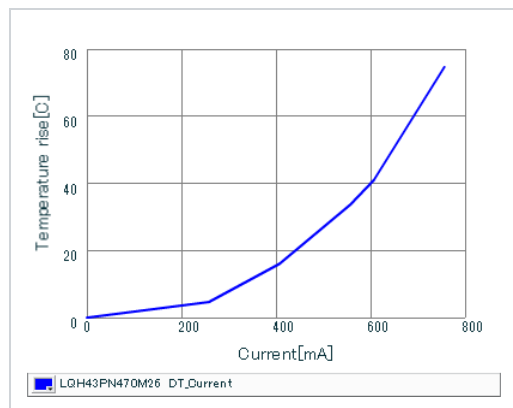
" Inductance-Frequency characteristics (Typ.)



" Inductance-Current characteristics (Typ.)



" Temperature rise characteristics (Typ.)



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